

CLAIMS:

- Sub 83
1. A low-pressure mercury vapor discharge lamp comprising:
a discharge vessel (1) which is closed in a gastight manner and which encloses
a discharge space (2), which discharge vessel has a wall (3) of glass containing alkali ions
with an inner surface (4);
5 a filling, which comprises an inert gas and mercury, in the discharge vessel
(1), and
means (5) for maintaining an electric discharge in the discharge vessel (1),
the inner surface (4) of the discharge vessel (1) having a coating which counteracts transport
of mercury from the filling to the wall (3) of the discharge vessel (1) and of alkali ions from
10 the wall (3) of the discharge vessel (1) to the filling,
characterized in that the inner surface (4) is coated with a film (6) which
comprises at least a compound selected from the group formed by trifluorides and
oxyfluorides of an at most trivalent element selected from lanthanides, lanthanum, scandium
and yttrium.
15
2. A low-pressure mercury vapor discharge lamp as claimed in claim 1,
characterized in that the wall (3) is provided, on a side of the film (6) facing the discharge
space (2), with a coating (7) comprising a luminescent material.
- a 20 3. A low-pressure mercury vapor discharge lamp as claimed in claim 1 or 2,
characterized in that the film (6) comprises at least a compound selected from
yttriumoxyfluoride and yttriumtrifluoride.